This listing of claims will replace all prior versions and listings of claims in the application

<u>Listing of Claims</u>:

1. (Currently Amended)   A glass identification method for recycling a target material that includes glass, comprising ~~the steps of~~:

irradiating the target material with X-rays to obtain a fluorescent X-ray spectrum for the target material; and

identifying the type of glass included in the target material by analyzing and comparing the fluorescent X-ray spectrum group for a specific substance group with the fluorescent X-ray spectrum of the target material,

wherein ~~the step of~~ identifying the type of glass involves performing compositional analysis of the fluorescent X-ray spectrum of the target material and compositional analysis of the fluorescent X-ray spectrum group of the specific substance group, comparing the analysis results, and determining the degree of agreement.

2. (Currently Amended)   A glass identification method for recycling a target material that includes glass, comprising ~~the steps of~~:

irradiating the target material with X-rays to obtain a fluorescent X-ray spectrum for the target material; and

identifying the type of glass included in the target material by analyzing and comparing the fluorescent X-ray spectrum group for a specific substance group with the fluorescent X-ray spectrum of the target material,

wherein ~~the step of~~ identifying the type of glass involves finding the difference between the fluorescent X-ray spectrum of the target material and the various spectra of the fluorescent X-ray spectrum group of the specific substance group, and determining the degree of agreement.

3. (Currently Amended)   The glass identification method according to Claim 1 ~~or 2~~, wherein the target material and/or the specific substance group is a glass substrate used for a display.

4. (Currently Amended)   The glass identification method according to Claim 1 ~~or 2~~, wherein the target material and the specific substance group include at least one element selected from potassium, calcium, iron, strontium, zirconium, barium, and hafnium.

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5. (Original)   A glass identification apparatus, comprising:

an X-ray tube for irradiating a target material that includes glass with X-rays;

a detector for measuring the intensity of fluorescent X-rays emitted from the target material;

a memory unit for storing data of the fluorescent X-ray spectrum group of the specific substance group; and

a computing unit for identifying the type of glass included in the target material by finding the fluorescent X-ray spectrum of the target material from the measurement results of the detector, and analyzing and comparing the fluorescent X-ray spectrum of the target material with the data for the fluorescent X-ray spectrum group of the specific substance group.

6. (New)   The glass identification method according to Claim 2, wherein the target material and/or the specific substance group is a glass substrate used for a display.

7. (New)   The glass identification method according to Claim 2, wherein the target material and the specific substance group include at least one element selected from potassium, calcium, iron, strontium, zirconium, barium, and hafnium.